

Title (en)  
CAM SHAFT DRIVE IN OHC V-TYPE ENGINE

Publication  
**EP 0220796 B1 19890111 (EN)**

Application  
**EP 86305630 A 19860722**

Priority  
JP 23505085 A 19851021

Abstract (en)  
[origin: US4758206A] In the case of a cam shaft drive structure in which a cogged belt is passed around a pair of cam shaft pulleys for two cylinder banks of an OHC V-type engine and a crank shaft pulley, it has been widely believed that the tension of the cogged belt resulting from the longitudinal vibration of the cogged belt can be minimized by reducing the masses of the cam shaft pulleys to a least possible value. However, it was discovered by the inventors that it is not necessarily the case and on the contrary a favorable result can be obtained by selecting the moment of inertia of the cam shaft pulley on the tight side to be greater than the moment of inertia of the cam shaft pulley on the slack side. The reverse surface of the cogged belt can be conveniently utilized for driving accessory equipment and for engaging an idler pulley thereto.

IPC 1-7  
**F01L 1/02**

IPC 8 full level  
**F01L 1/02** (2006.01); **F01L 1/46** (2006.01); **F02B 67/06** (2006.01); **F02B 75/22** (2006.01); **F16H 7/02** (2006.01)

CPC (source: EP US)  
**F01L 1/02** (2013.01 - EP US); **F01L 1/024** (2013.01 - EP US); **F02B 75/22** (2013.01 - EP US); **F16H 7/023** (2013.01 - EP US); **F01L 2001/0535** (2013.01 - EP US); **F02B 67/06** (2013.01 - EP US); **F02B 2275/06** (2013.01 - EP US); **F02B 2275/18** (2013.01 - EP US); **F02B 2275/20** (2013.01 - EP US)

Cited by  
US4936265A; EP0343627A1; US4936266A; WO0163145A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**US 4758206 A 19880719**; DE 3661752 D1 19890216; EP 0220796 A2 19870506; EP 0220796 A3 19870812; EP 0220796 B1 19890111; JP H0325606 B2 19910408; JP S6296705 A 19870506

DOCDB simple family (application)  
**US 91772286 A 19861010**; DE 3661752 T 19860722; EP 86305630 A 19860722; JP 23505085 A 19851021